

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040119\
 Data File : VX008566.D
 Acq On : 01 Apr 2019 14:14
 Operator : JC/SP
 Sample : K2189-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 02 01:11:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	220200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	368480	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	315797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	121967	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	154097	46.16	ug/l	0.00
Spiked Amount			Recovery	=	92.32%	
35) Dibromofluoromethane	5.49	113	113169	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	
50) Toluene-d8	8.71	98	461607	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
62) 4-Bromofluorobenzene	11.13	95	152284	42.78	ug/l	0.00
Spiked Amount			Recovery	=	85.56%	

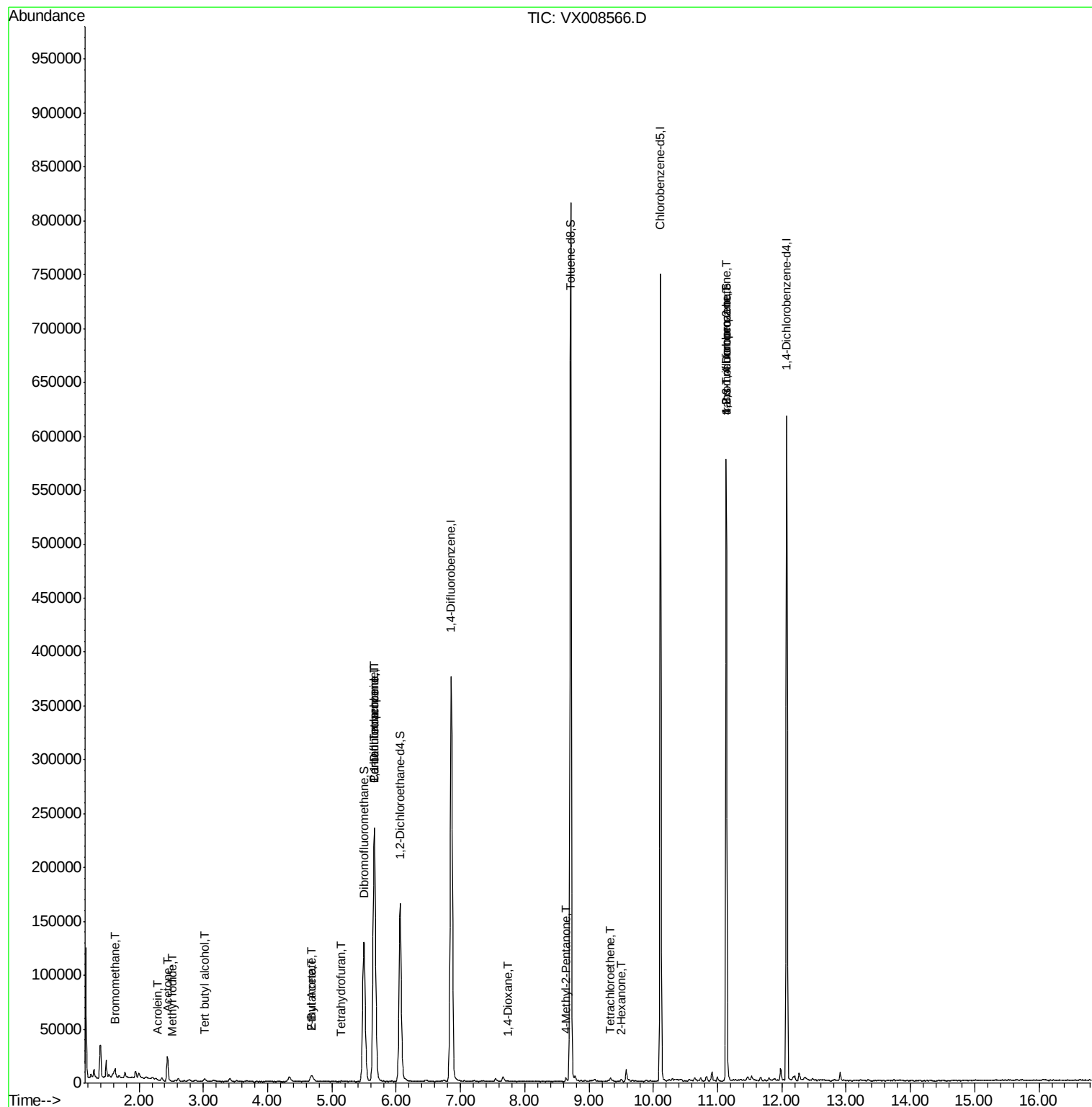
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1003	Below Cal		91
5) Bromomethane	1.64	94	629	2.127 ug/l #		69
10) Methyl Iodide	2.53	142	163	4.191 ug/l #		42
11) Tert butyl alcohol	3.03	59	2241	3.030 ug/l #		79
13) Acrolein	2.28	56	275	0.512 ug/l #		3
16) Acetone	2.44	43	24248	13.898 ug/l		99
17) Carbon Disulfide	2.57	76	1073	Below Cal #		91
20) Methylene Chloride	2.85	84	319	Below Cal #		67
25) 2-Butanone	4.68	43	9449	3.378 ug/l #		85
29) Tetrahydrofuran	5.15	42	484	0.263 ug/l #		52
36) 1,1-Dichloropropene	5.66	75	18498	4.708 ug/l #		51
37) Ethyl Acetate	4.68	43	9449	1.856 ug/l #		72
38) Carbon Tetrachloride	5.66	117	21895	6.678 ug/l #		16
49) 1,4-Dioxane	7.74	88	20	0.247 ug/l #		1
51) 4-Methyl-2-Pentanone	8.65	43	2250	0.426 ug/l #		79
59) 2-Hexanone	9.50	43	1173	0.286 ug/l		80
64) Tetrachloroethene	9.34	164	536	0.251 ug/l #		80
76) 1,2,3-Trichloropropane	11.13	75	78514	21.653 ug/l #		34
81) trans-1,4-Dichloro-2-buten	11.13	75	78514	69.352 ug/l #		9

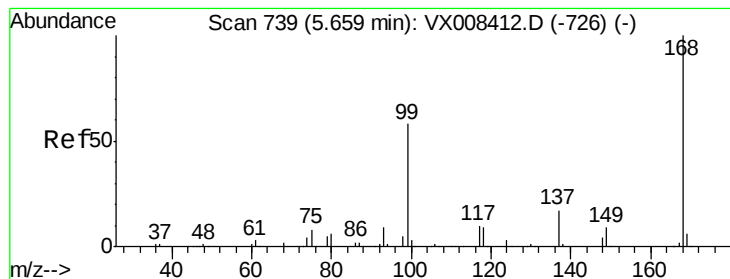
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 26 07:57:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008566.D

Acq: 01 Apr 2019 14:14

Instrument :

MSVOA_X

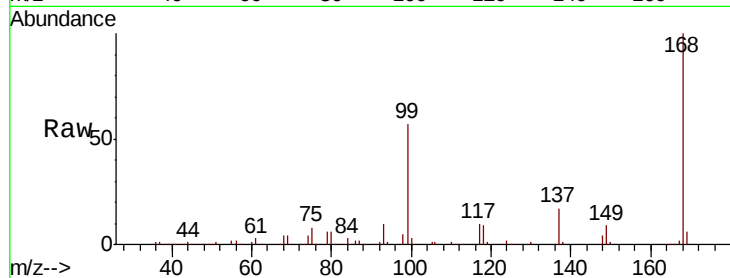
ClientSampled :

Tot Ion:168 Resp: 220200

Ion Ratio Lower Upper

168 100

99 57.5 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

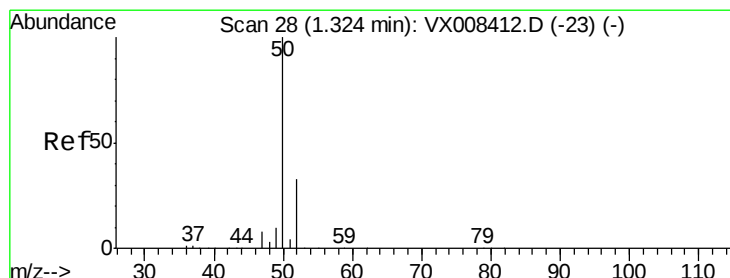
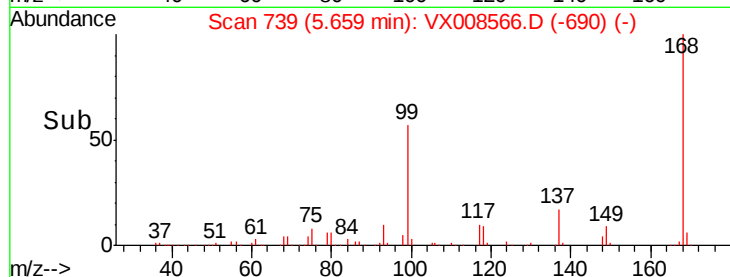
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008566.D

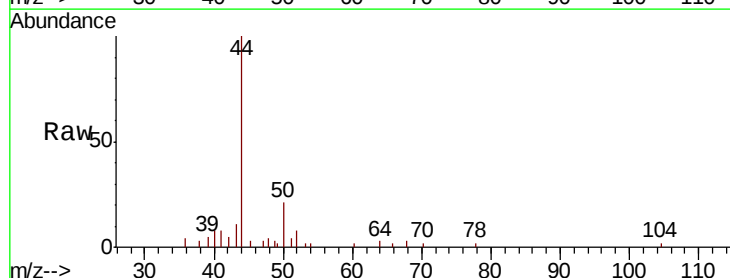
Acq: 01 Apr 2019 14:14

Tgt Ion: 50 Resp: 1003

Ion Ratio Lower Upper

50 100

52 37.7 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1000

800

600

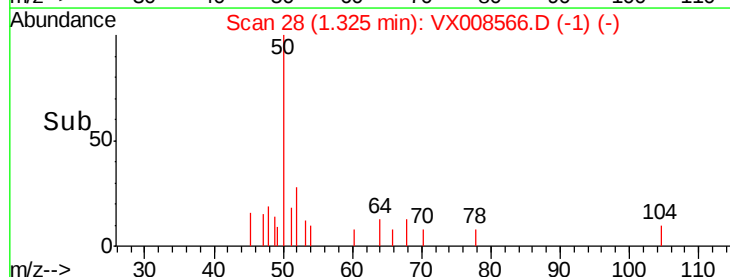
400

200

0

Time-->

1.25 1.30 1.35





#5

Bromomethane

Concen: 2.127 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008566.D

Acq: 01 Apr 2019 14:14

Instrument :

MSVOA_X

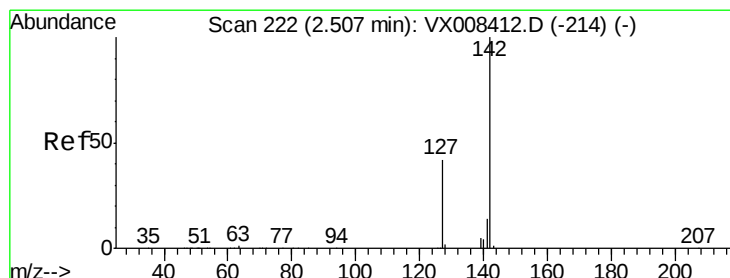
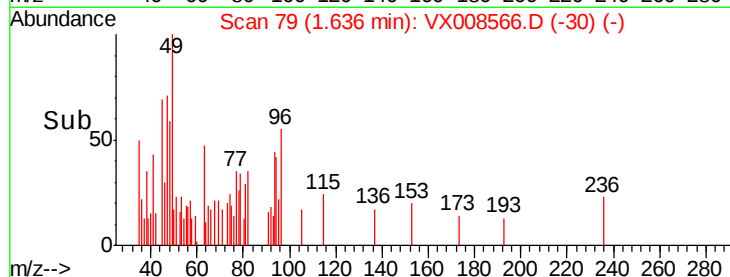
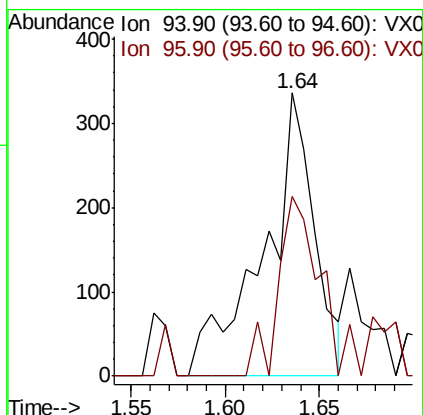
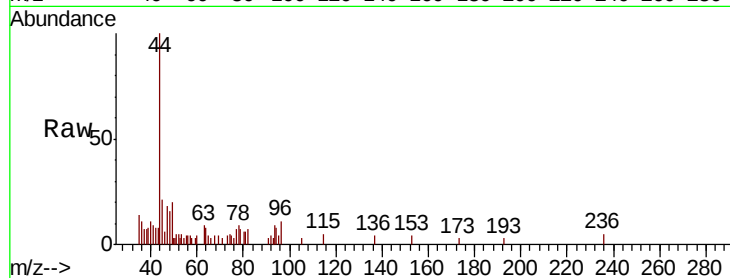
ClientSampled :

Tot Ion: 94 Resp: 629

Ion Ratio Lower Upper

94 100

96 63.4 74.8 112.2#



#10

Methyl Iodide

Concen: 4.191 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX008566.D

Acq: 01 Apr 2019 14:14

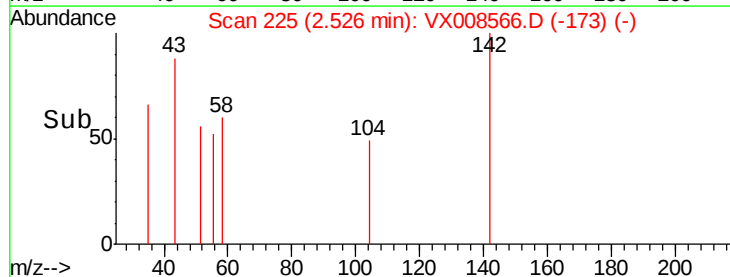
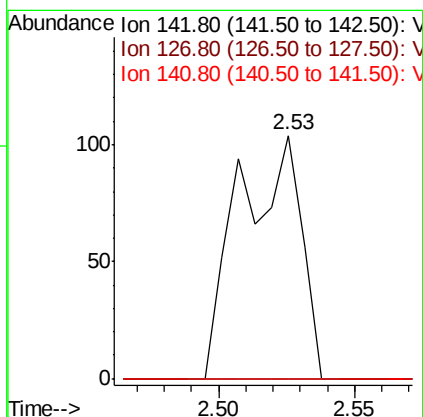
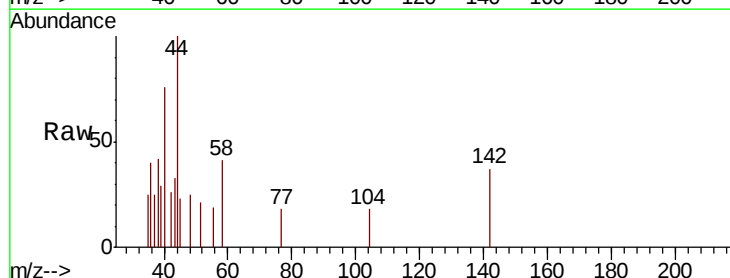
Tgt Ion: 142 Resp: 163

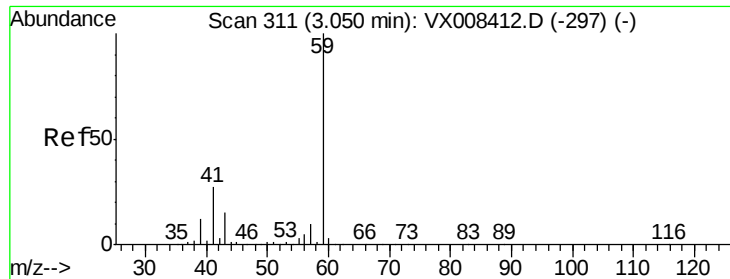
Ion Ratio Lower Upper

142 100

127 0.0 33.6 50.4#

141 0.0 11.3 16.9#

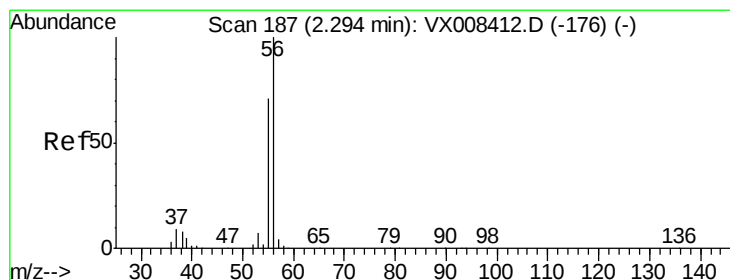
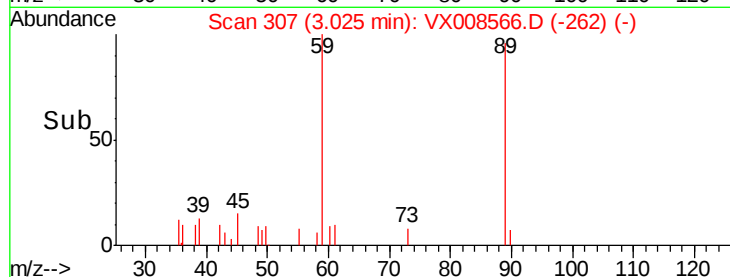
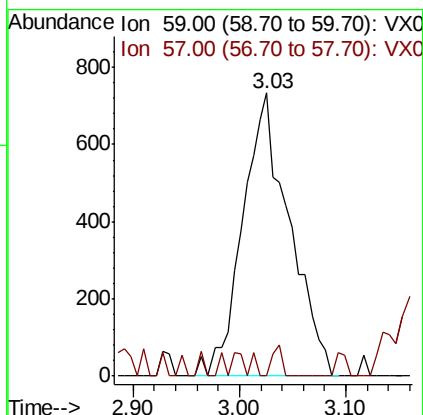
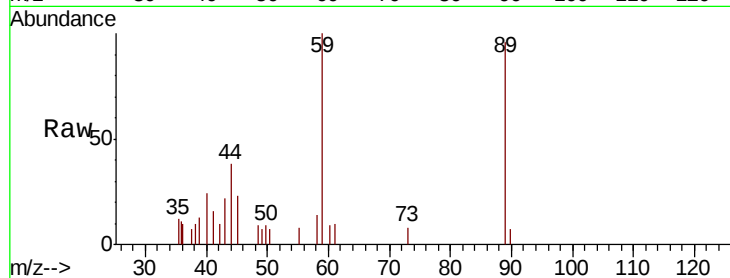




#11
Tert butyl alcohol
Concen: 3.030 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX008566.D
Acq: 01 Apr 2019 14:14

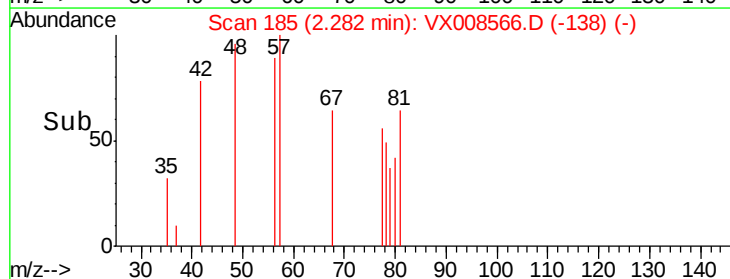
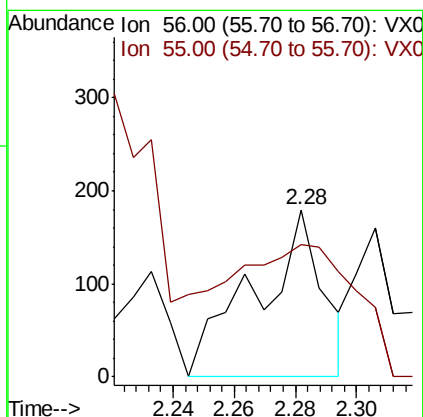
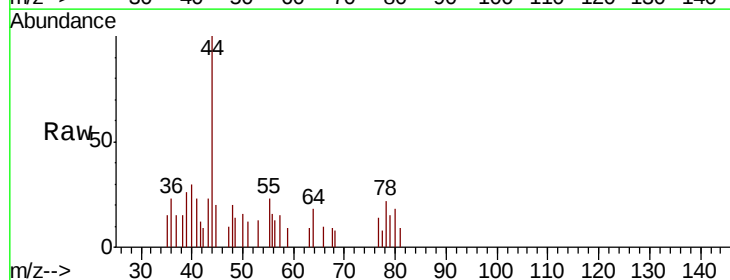
Instrument :
MSVOA_X
ClientSampled :

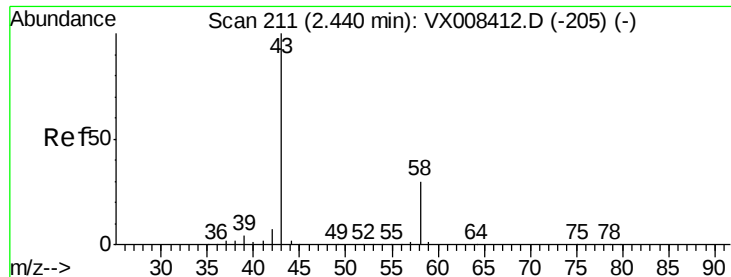
Tot Ion: 59 Resp: 2241
Ion Ratio Lower Upper
59 100
57 2.3 8.2 12.4#



#13
Acrolein
Concen: 0.512 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX008566.D
Acq: 01 Apr 2019 14:14

Tgt Ion: 56 Resp: 275
Ion Ratio Lower Upper
56 100
55 150.2 56.5 84.7#





#16

Acetone

Concen: 13.898 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008566.D

Acq: 01 Apr 2019 14:14

Instrument :

MSVOA_X

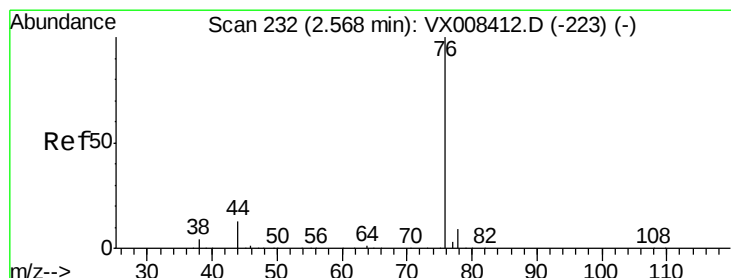
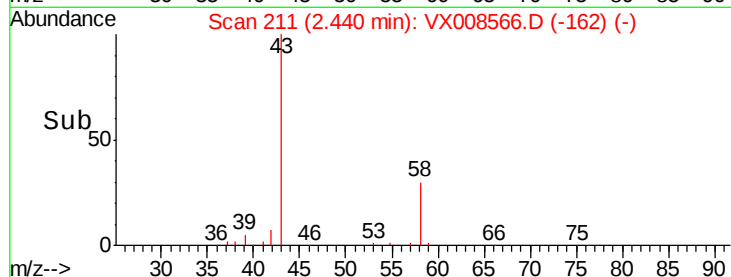
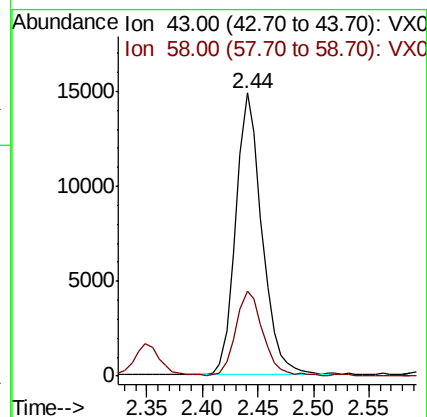
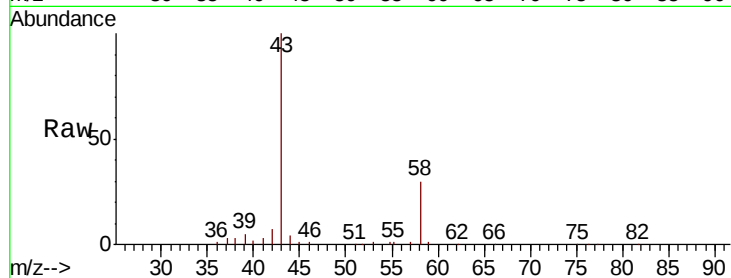
ClientSampleId :

Tot Ion: 43 Resp: 24248

Ion Ratio Lower Upper

43 100

58 29.5 24.2 36.2



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008566.D

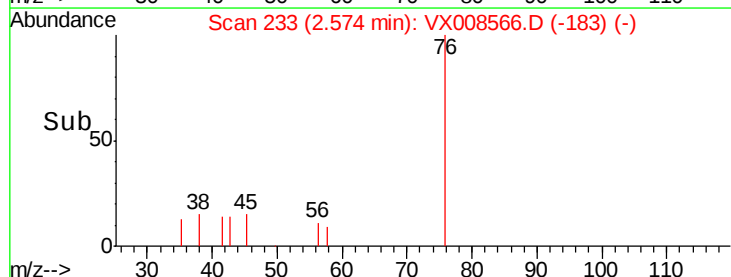
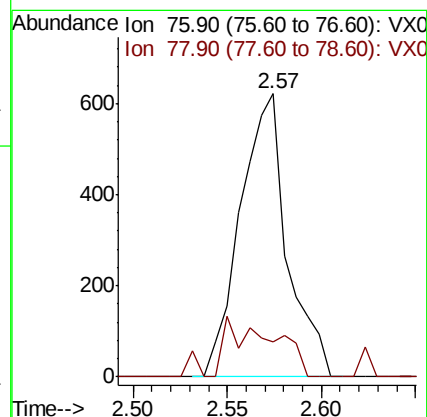
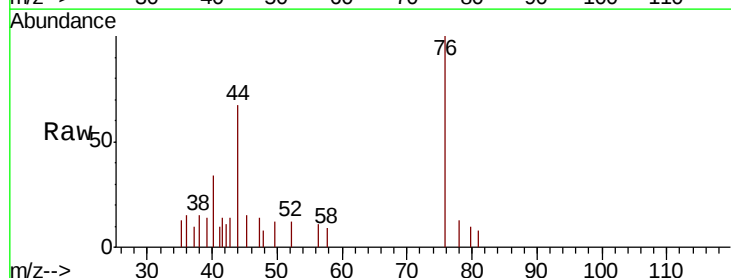
Acq: 01 Apr 2019 14:14

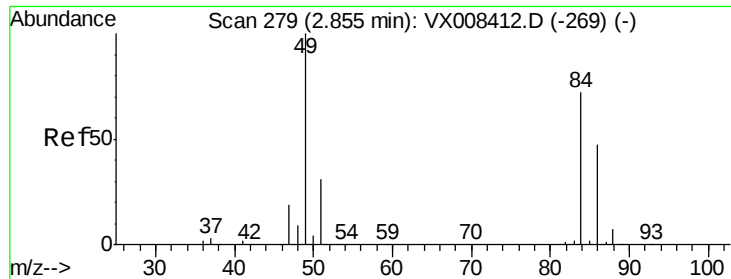
Tgt Ion: 76 Resp: 1073

Ion Ratio Lower Upper

76 100

78 12.5 7.4 11.2#

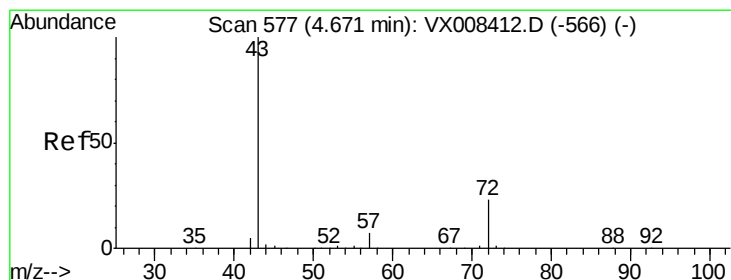
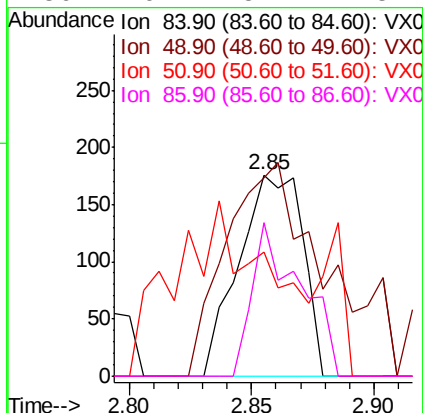
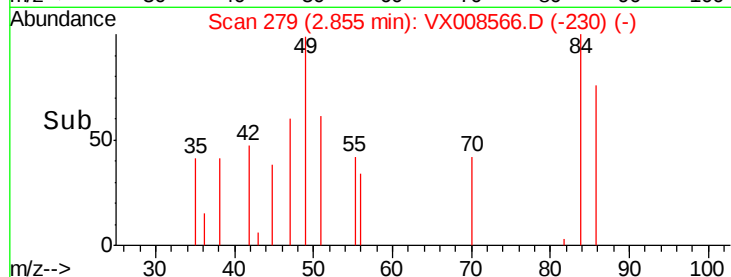
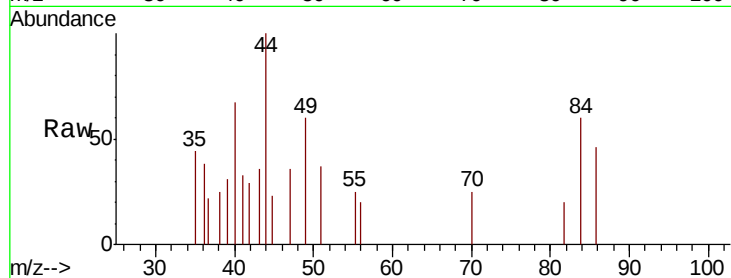




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008566.D
Acq: 01 Apr 2019 14:14

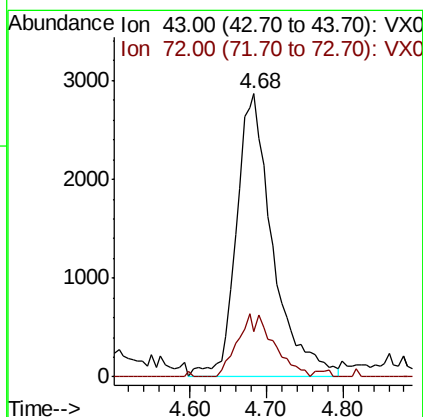
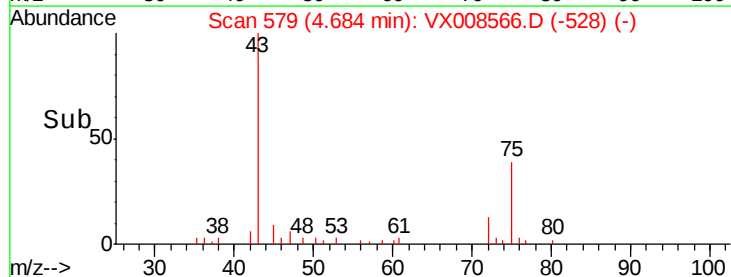
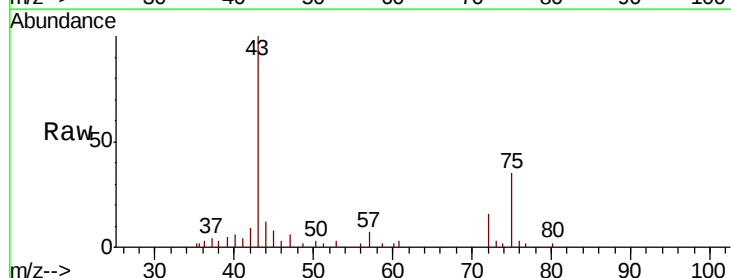
Instrument :
MSVOA_X
ClientSampleId :

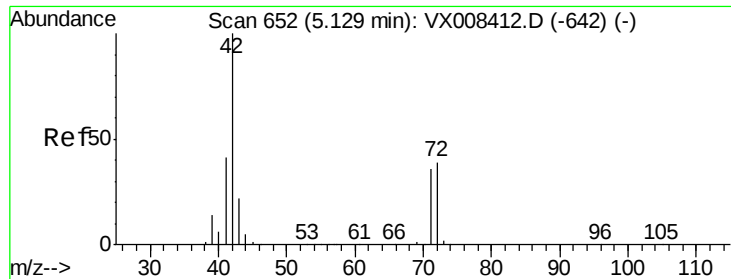
Tot Ion: 84 Resp: 319
Ion Ratio Lower Upper
84 100
49 98.9 110.6 165.8#
51 0.0 33.9 50.9#
86 76.1 52.2 78.2



#25
2-Butanone
Concen: 3.378 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX008566.D
Acq: 01 Apr 2019 14:14

Tgt Ion: 43 Resp: 9449
Ion Ratio Lower Upper
43 100
72 16.1 18.6 28.0#

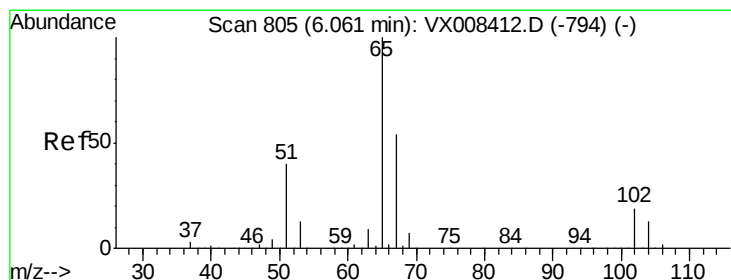
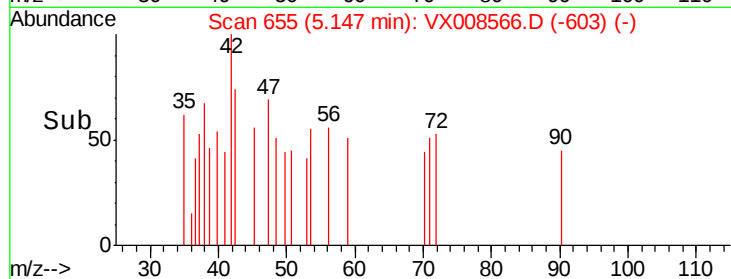
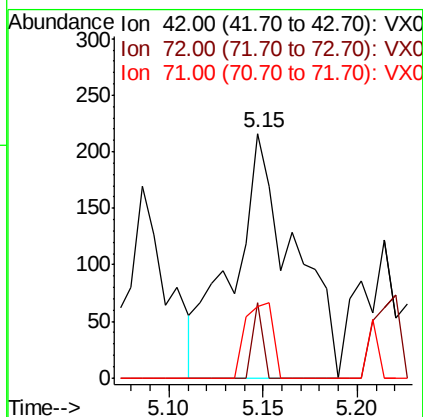
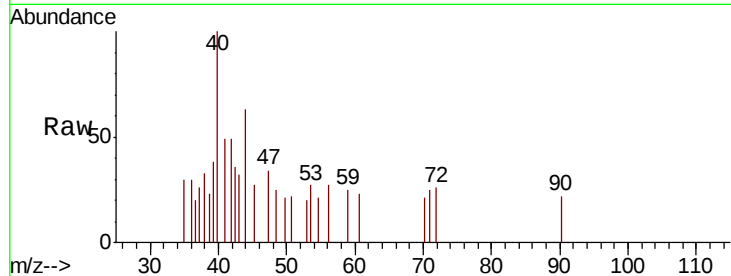




#29
Tetrahydrofuran
Concen: 0.263 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.02 min
Lab File: VX008566.D
Acq: 01 Apr 2019 14:14

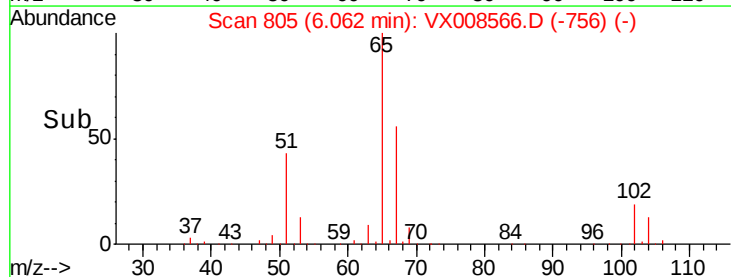
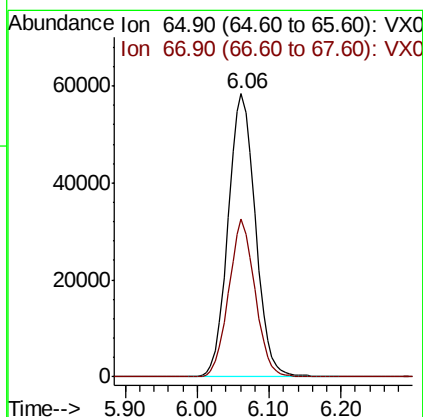
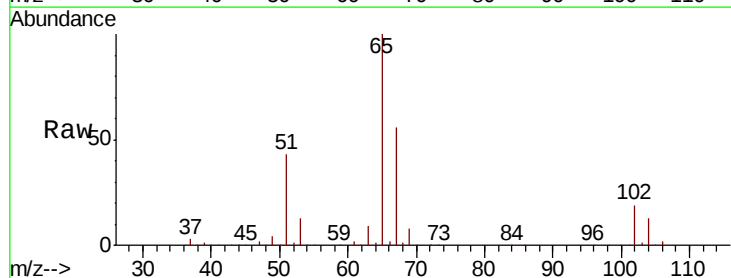
Instrument :
MSVOA_X
ClientSampled :

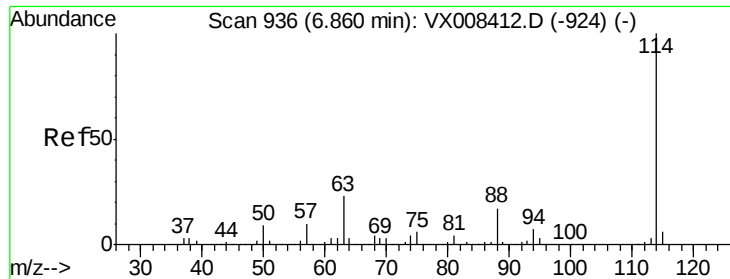
Tot Ion: 42 Resp: 484
Ion Ratio Lower Upper
42 100
72 5.0 31.4 47.2#
71 13.8 29.4 44.2#



#33
1,2-Dichloroethane-d4
Concen: 46.160 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX008566.D
Acq: 01 Apr 2019 14:14

Tgt Ion: 65 Resp: 154097
Ion Ratio Lower Upper
65 100
67 53.9 0.0 109.4

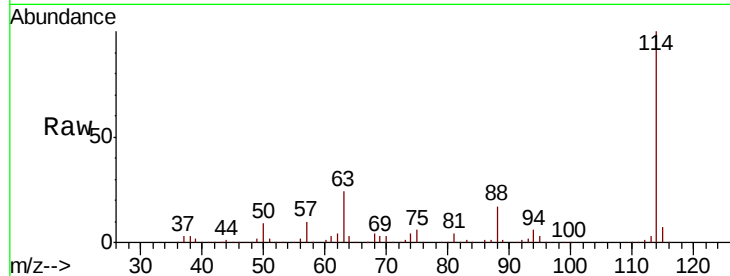




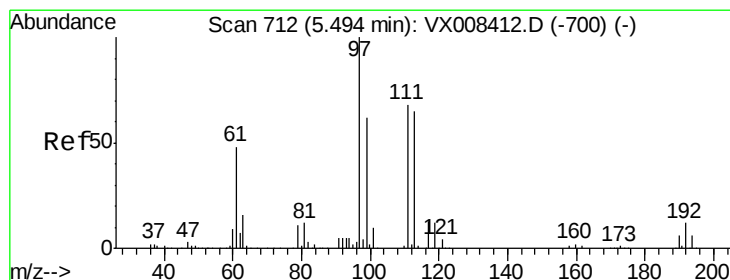
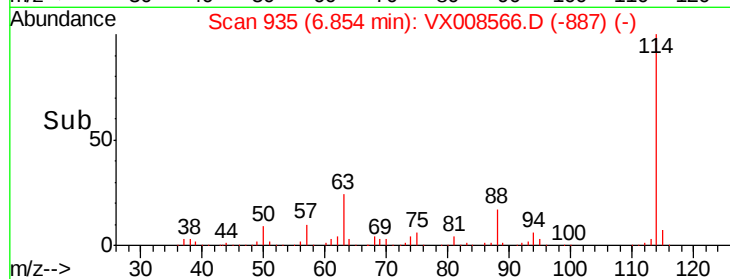
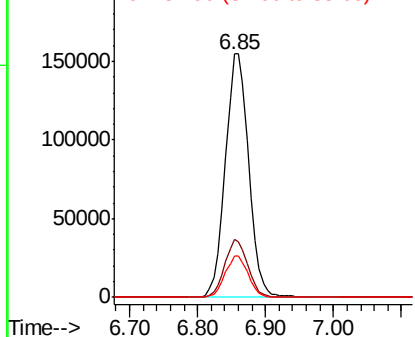
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX008566.D
Acq: 01 Apr 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 368480
Ion Ratio Lower Upper
114 100
63 23.6 0.0 46.4
88 16.9 0.0 33.2

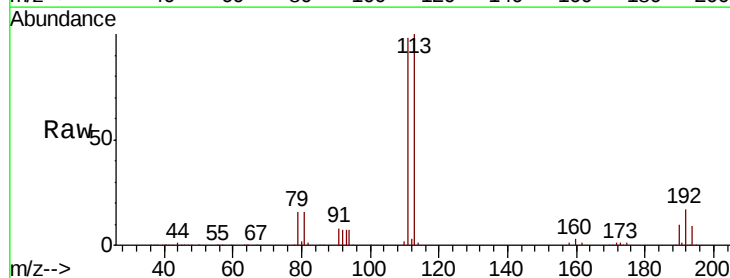


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

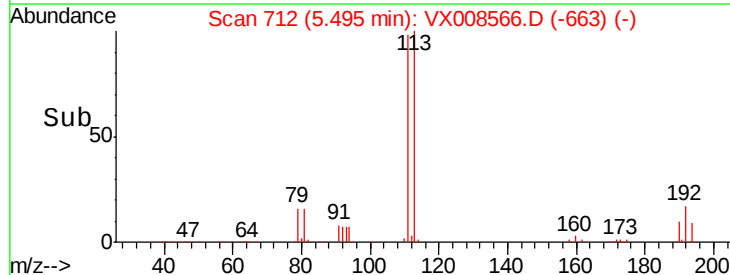
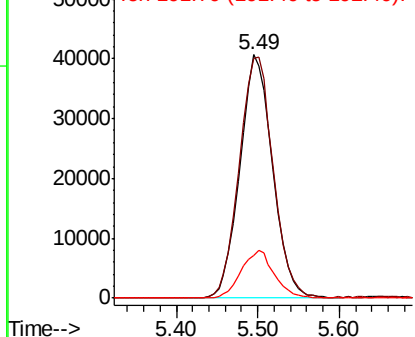


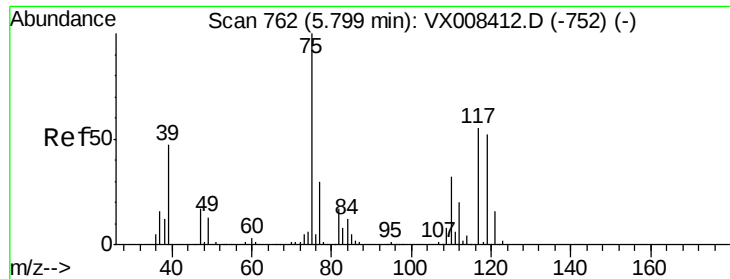
#35
Dibromofluoromethane
Concen: 47.102 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX008566.D
Acq: 01 Apr 2019 14:14

Tgt Ion:113 Resp: 113169
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.4
192 19.7 15.6 23.4



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

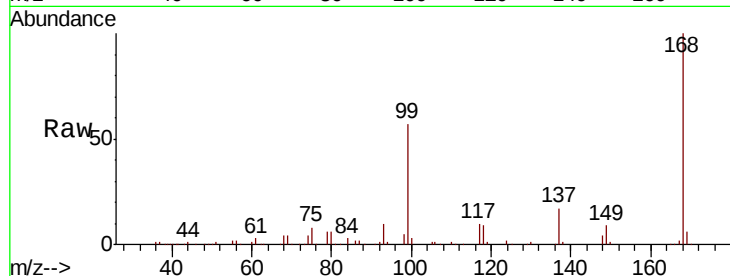




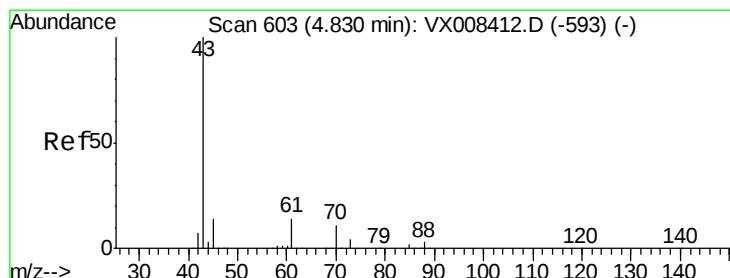
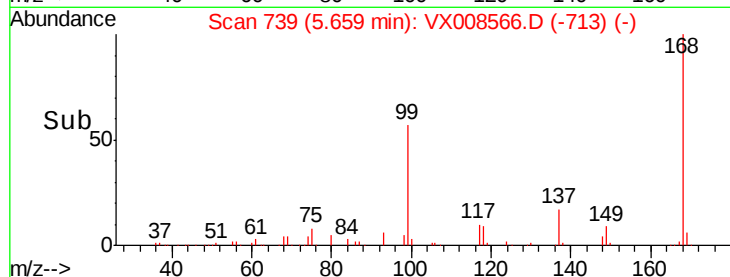
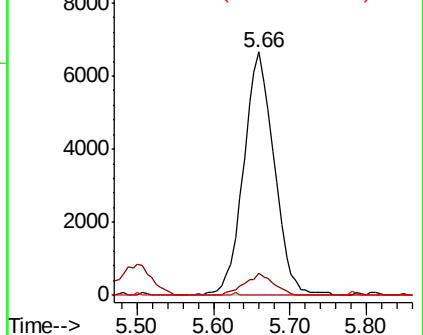
#36
 1,1-Dichloropropene
 Concen: 4.708 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008566.D
 Acq: 01 Apr 2019 14:14

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	75	Resp	18498
Ion Ratio	Lower	Upper	
75	100		
110	8.5	16.6	49.7#
77	0.0	24.2	36.2#

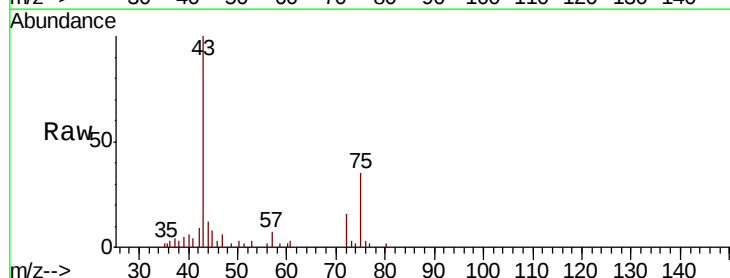


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

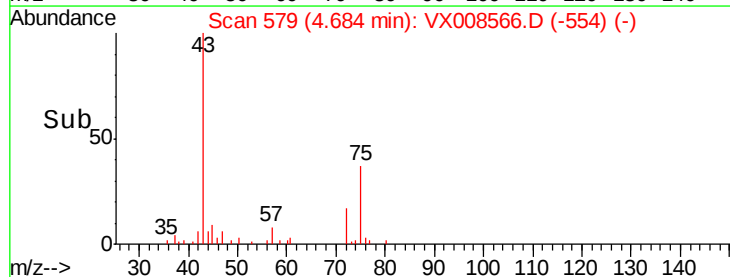
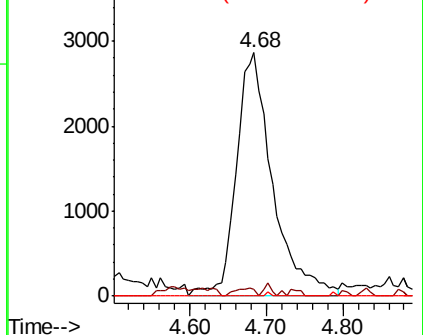


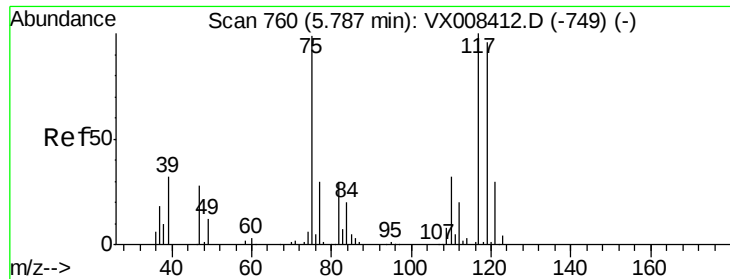
#37
 Ethyl Acetate
 Concen: 1.856 ug/l
 RT: 4.68 min Scan# 579
 Delta R.T. -0.15 min
 Lab File: VX008566.D
 Acq: 01 Apr 2019 14:14

Tgt Ion	43	Resp	9449
Ion Ratio	Lower	Upper	
43	100		
61	1.7	10.5	15.7#
70	0.0	7.8	11.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.678 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008566.D

Acq: 01 Apr 2019 14:14

Instrument :

MSVOA_X

ClientSampled :

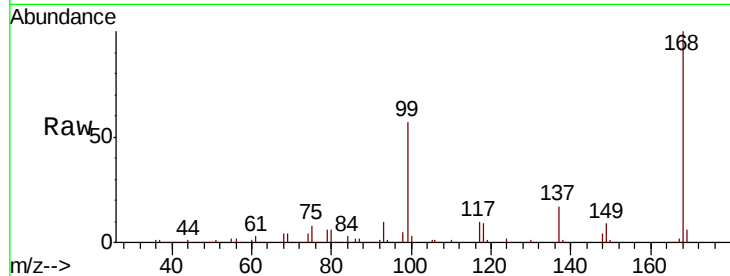
Tot Ion:117 Resp: 21895

Ion Ratio Lower Upper

117 100

119 5.4 76.7 115.1#

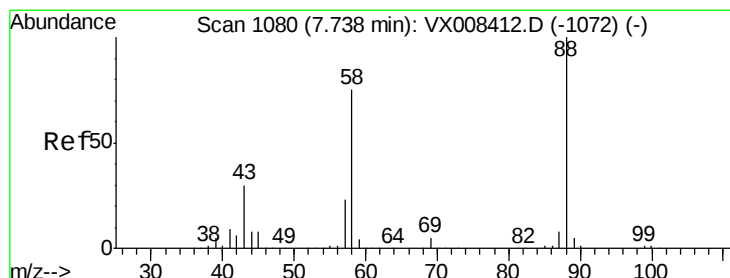
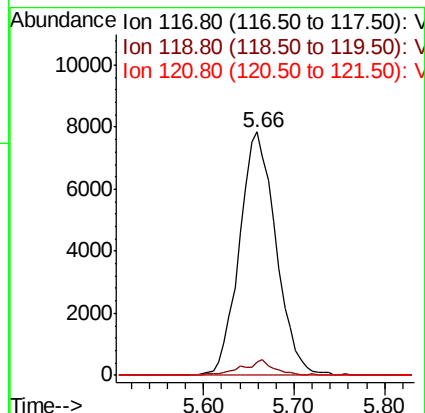
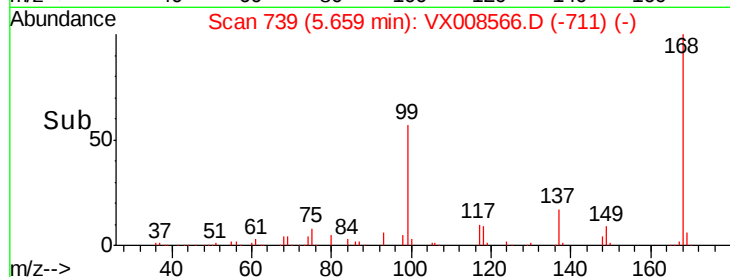
121 0.0 24.3 36.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.247 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX008566.D

Acq: 01 Apr 2019 14:14

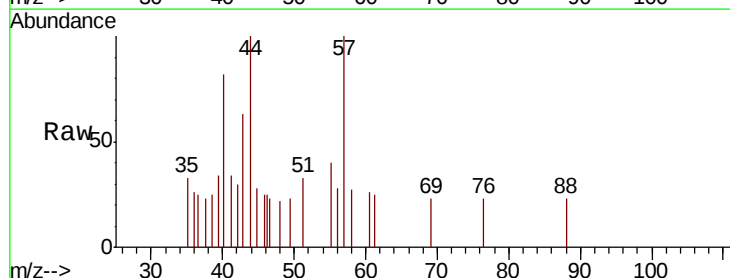
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 28.6 43.0#

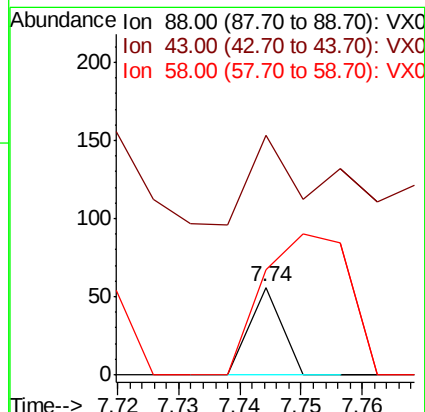
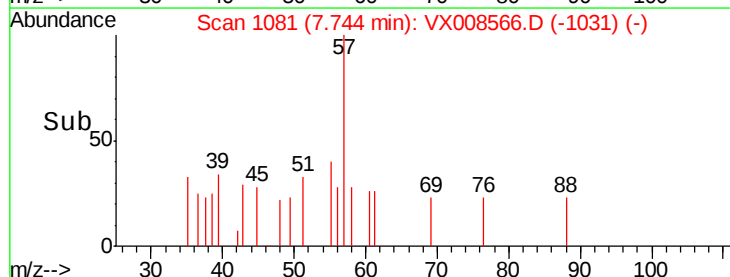
58 440.0 63.0 94.4#

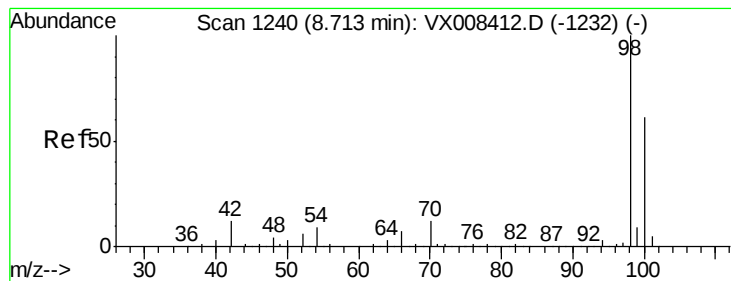


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.048 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008566.D

Acq: 01 Apr 2019 14:14

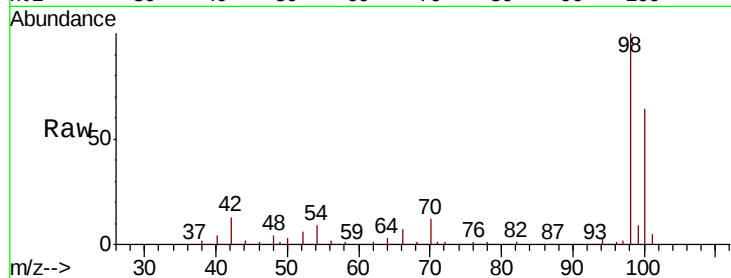
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 461607

Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

300000

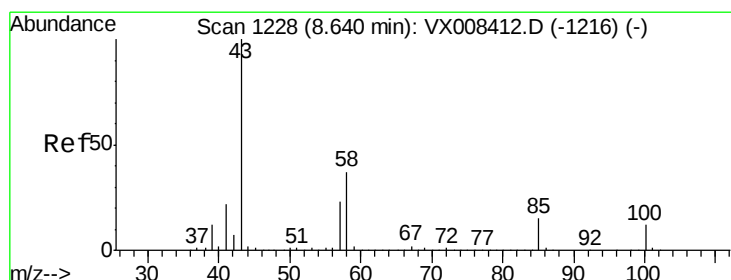
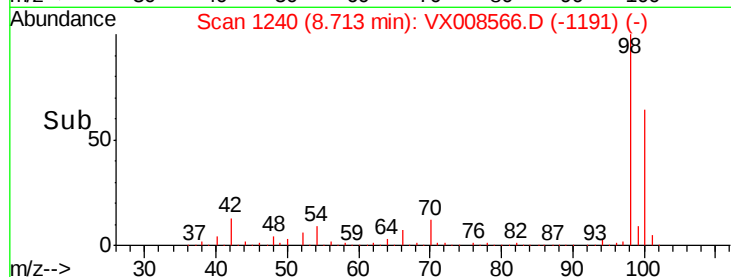
200000

100000

0

Time-->

8.60 8.70 8.80



#51

4-Methyl-2-Pentanone

Concen: 0.426 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX008566.D

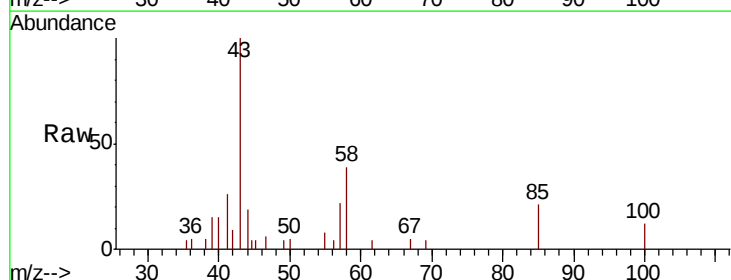
Acq: 01 Apr 2019 14:14

Tgt Ion: 43 Resp: 2250

Ion Ratio Lower Upper

43 100

58 49.8 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

3000

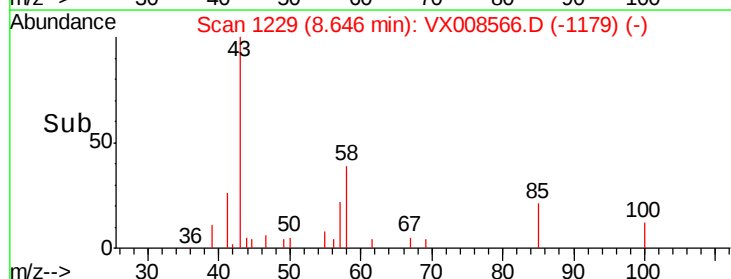
2000

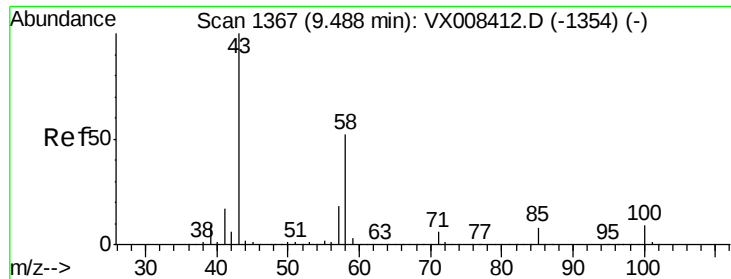
1000

0

Time-->

8.60 8.65 8.70

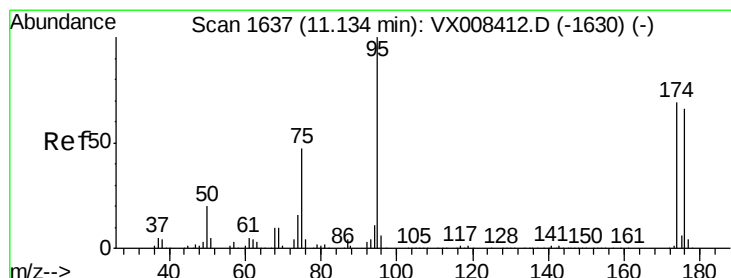
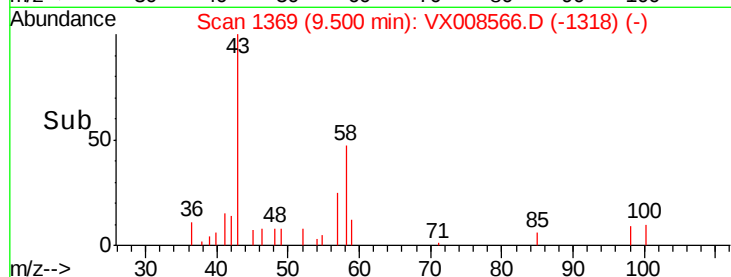
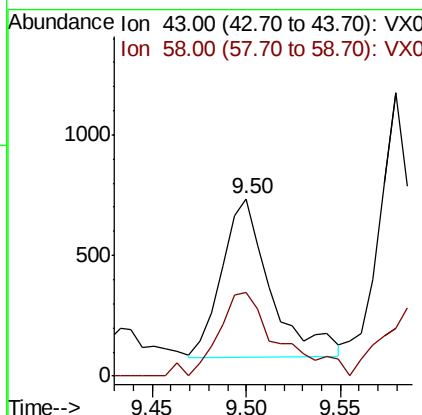
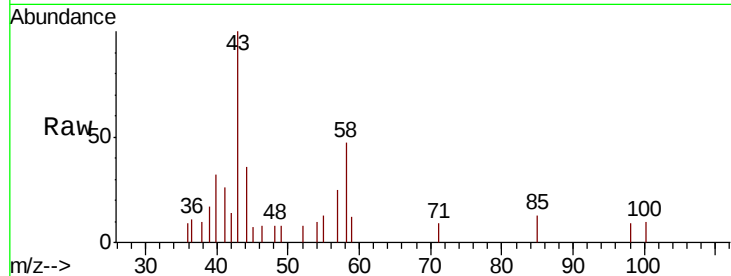




#59
2-Hexanone
Concen: 0.286 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VX008566.D
Acq: 01 Apr 2019 14:14

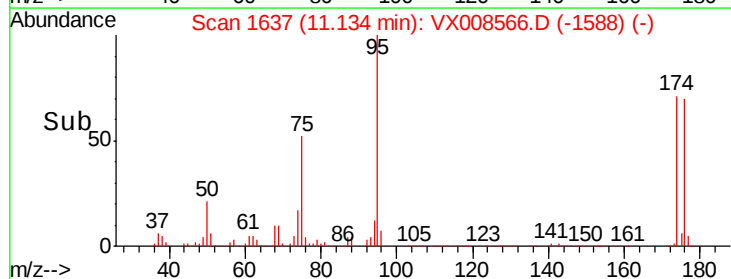
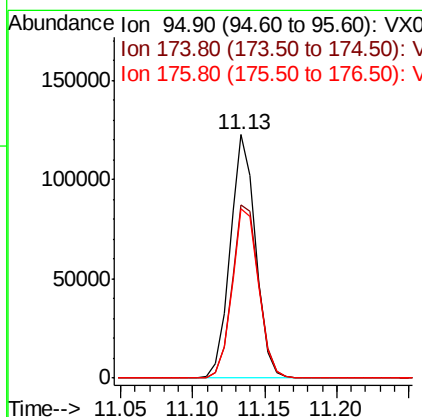
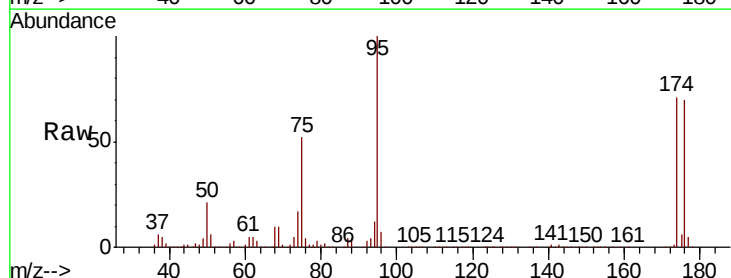
Instrument :
MSVOA_X
ClientSampled :

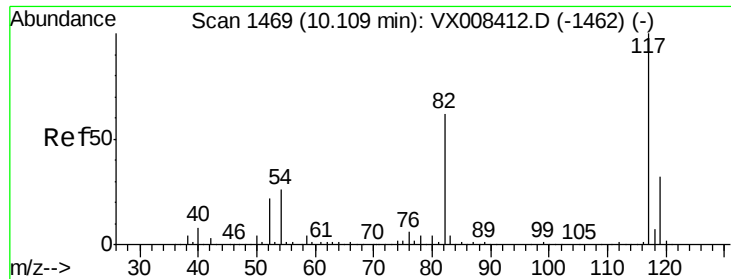
Tot Ion: 43 Resp: 1173
Ion Ratio Lower Upper
43 100
58 66.6 26.3 78.9



#62
4-Bromofluorobenzene
Concen: 42.775 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008566.D
Acq: 01 Apr 2019 14:14

Tgt Ion: 95 Resp: 152284
Ion Ratio Lower Upper
95 100
174 74.6 0.0 147.2
176 72.5 0.0 142.4

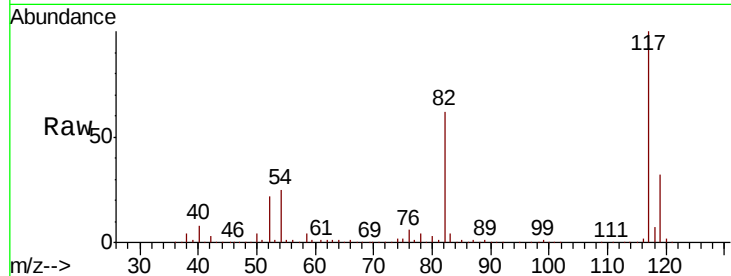




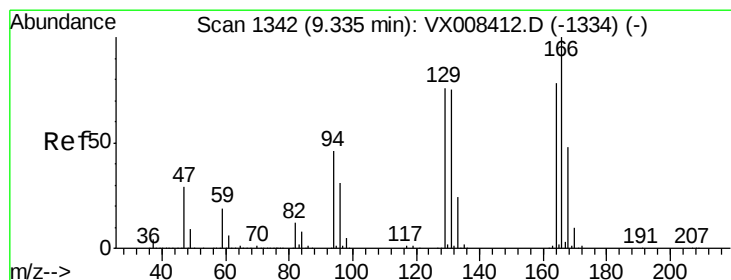
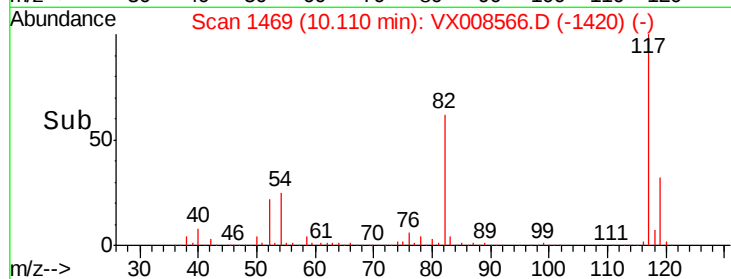
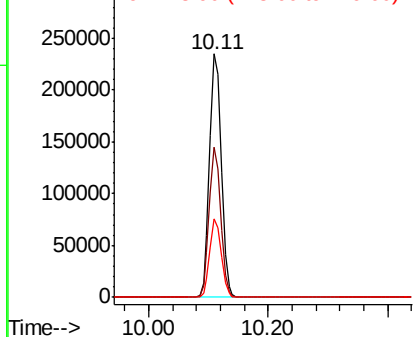
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008566.D
Acq: 01 Apr 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 315797
Ion Ratio Lower Upper
117 100
82 61.9 49.4 74.2
119 32.3 25.4 38.0

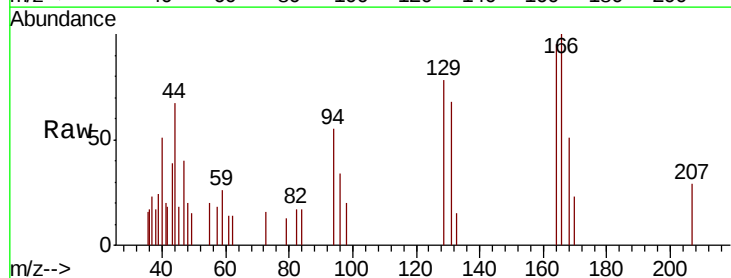


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
Ion 118.90 (118.60 to 119.60): V

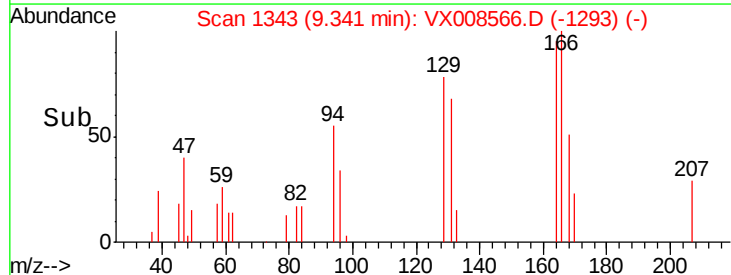
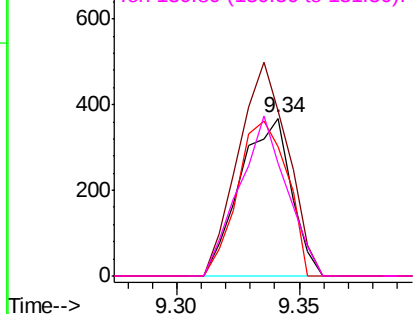


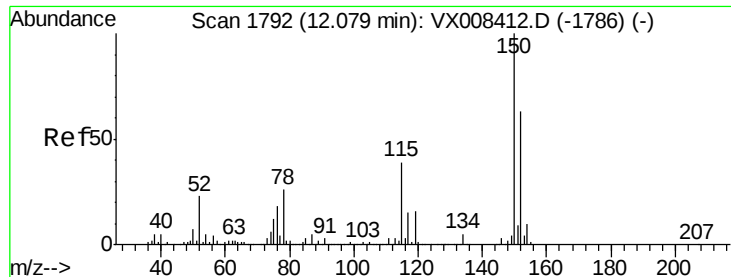
#64
Tetrachloroethene
Concen: 0.251 ug/l
RT: 9.34 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VX008566.D
Acq: 01 Apr 2019 14:14

Tgt Ion:164 Resp: 536
Ion Ratio Lower Upper
164 100
166 104.9 102.5 153.7
129 81.8 77.8 116.8
131 71.2 76.9 115.3#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



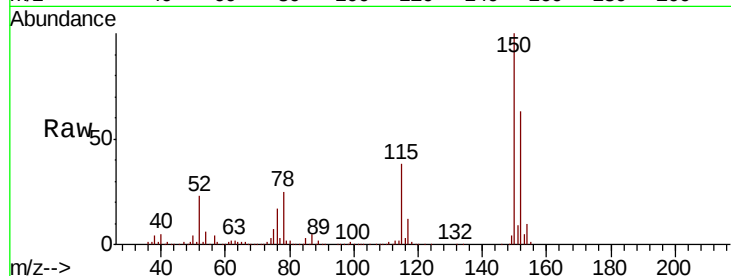


#72

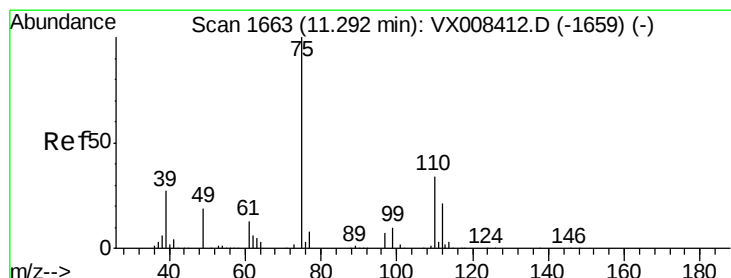
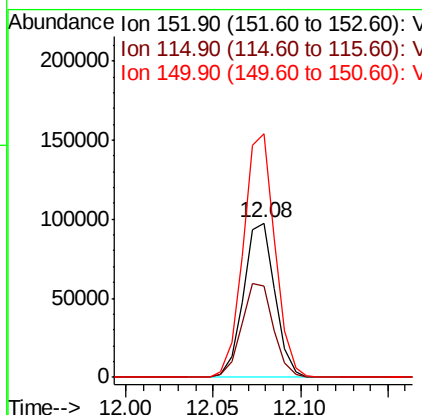
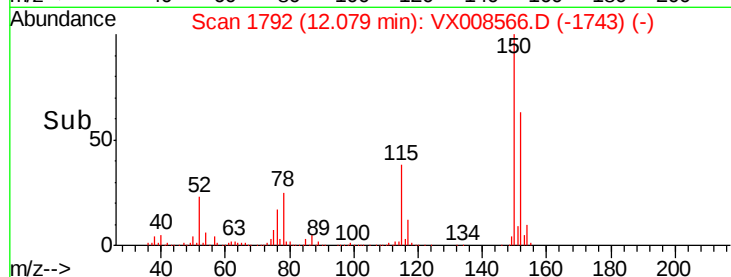
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008566.D
Acq: 01 Apr 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.4	43.5	130.5
150	158.4	0.0	348.8



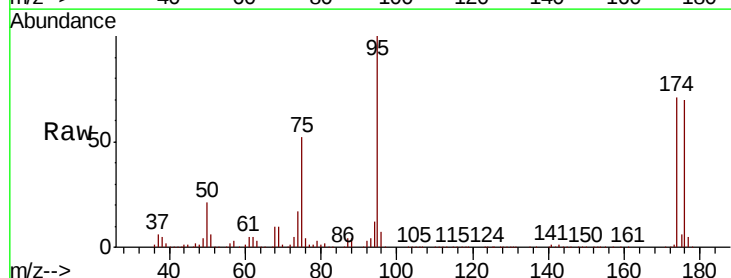
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



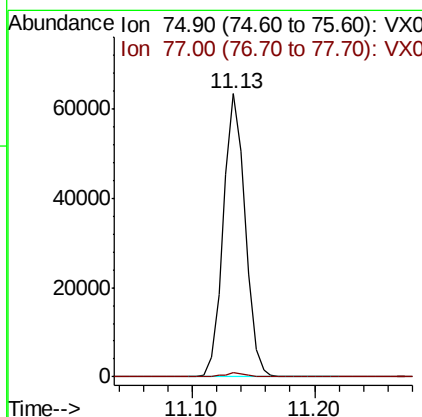
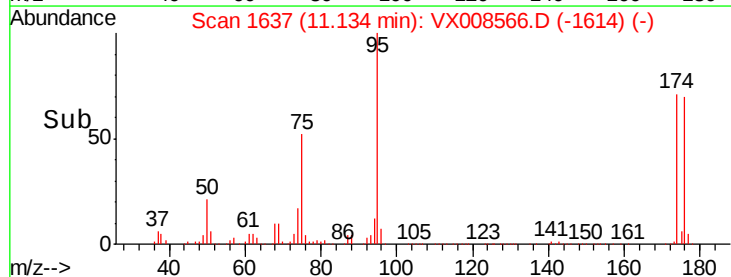
#76

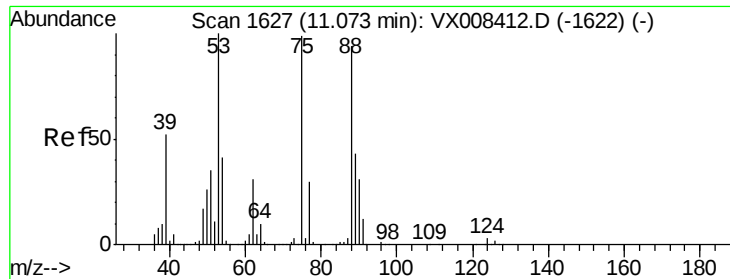
1,2,3-Trichloropropane
Concen: 21.653 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008566.D
Acq: 01 Apr 2019 14:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	21.9	65.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 69.352 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008566.D

Acq: 01 Apr 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

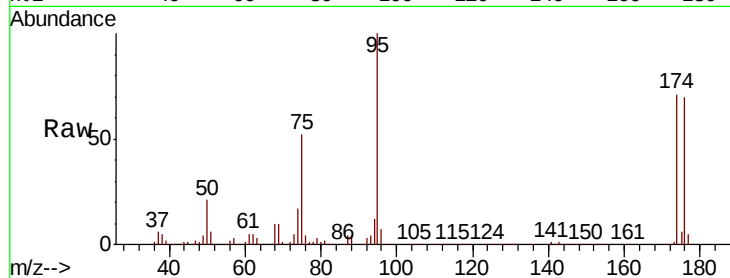
Tot Ion: 75 Resp: 78514

Ion Ratio Lower Upper

75 100

53 0.2 82.1 123.1#

89 0.0 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

